

Date: Thu, 22 Apr 93 04:30:32 PDT  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V93 #490  
To: Info-Hams

Info-Hams Digest                      Thu, 22 Apr 93                      Volume 93 : Issue    490

Today's Topics:

                    16 Touch Tone Generator Needed  
                    Cable TV Descrambler Sources?  
            Daily Solar Geophysical Data Broadcast for 21 April  
                    Doppler Source Found  
    Examination Opportunities Scheduled 4/21/93 to 8/30/93  
            Last minute Hamvention traffic and weather forecast  
                    Mods for the HTX-202  
                    My thoughts...  
                    Raising our profile  
                    What means 55?

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: Wed, 21 Apr 1993 20:56:32 GMT  
From: pacbell.com!att-out!cbnewsd!hoff@network.UCSD.EDU  
Subject: 16 Touch Tone Generator Needed  
To: info-hams@ucsd.edu

I am looking for a device which will generate all 16 (sixteen)  
available Touch Tones for an application I have.  
A portable device which can generate the extra 4 TT signals  
over a calls' voice path would be great.

In some applications, there are phones which  
have these buttons:

1 2 3 F0  
4 5 6 F  
7 8 9 I  
\* 0 # P

The F0, F, I, P buttons are used to specify urgency of certain types of calls. The frequencies generated by the F0, F, I and P buttons are what I need.

If you can let me know how I can buy (best choice) or build (next best choice) such a device, please respond to this newsgroup or call.

Thanks.

Dale Finkey, AT&T Network Systems, 708-979-2703  
att!ihlpl!dsf

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Date: Thu, 22 Apr 1993 00:18:42 GMT  
From: usc!howland.reston.ans.net!zaphod.mps.ohio-state.edu!uwm.edu!caen!uvaarpa!  
murdoch!fermi.clas.Virginia.EDU!jvb7u@network.UCSD.EDU  
Subject: Cable TV Descrambler Sources?  
To: info-hams@ucsd.edu

In article <C5qurA.6wr@feenix.metronet.com>, marcbg@feenix.metronet.com  
(Marc Grant) writes:

>

> Anyone know of any sources for these things?

It is legal to buy a descrambler, but extremely ILLEGAL to connect it to your cable service! Cable companies are vigorously seeking out and prosecuting all offenders, so beware!

Jon

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Date: 22 Apr 93 04:14:52 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Daily Solar Geophysical Data Broadcast for 21 April  
To: info-hams@ucsd.edu

!!BEGIN!! (1.0) S.T.D. Solar Geophysical Data Broadcast for DAY 111, 04/21/93  
10.7 FLUX=119.3 90-AVG=130 SSN=147 BKI=4454 3433 BAI=025  
BGND-XRAY=B2.6 FLU1=2.5E+06 FLU10=1.4E+04 PKI=4454 3433 PAI=027  
BOU-DEV=063,047,076,069,028,068,032,034 DEV-AVG=052 NT SWF=00:000

XRAY-MAX= C4.5 @ 0722UT XRAY-MIN= B1.9 @ 2003UT XRAY-AVG= B3.9  
NEUTN-MAX= +002% @ 0550UT NEUTN-MIN= -002% @ 1545UT NEUTN-AVG= -0.2%  
PCA-MAX= +0.7DB @ 2310UT PCA-MIN= -0.2DB @ 1515UT PCA-AVG= +0.0DB  
BOUTF-MAX=55413NT @ 0220UT BOUTF-MIN=55355NT @ 1705UT BOUTF-AVG=55388NT  
GOES7-MAX=E:+117NT@ 0621UT GOES7-MIN=N:-029NT@ 1121UT G7-AVG=+074,+053,+005  
GOES6-MAX=P:+134NT@ 1736UT GOES6-MIN=N:-139NT@ 0137UT G6-AVG=+089,-015,-064  
FLUXFCST=STD:120,125,130;SESC:120,125,130 BAI/PAI-FCST=015,010,010/022,010,010  
KFCST=2225 4221 2225 4221 27DAY-AP=018,008 27DAY-KP=3344 4323 2322 2232  
WARNINGS=\*MAJFLR;\*SWF  
ALERTS=  
!!END-DATA!!

NOTE: The Effective Sunspot Number for 20 APR 93 was 52.6.  
The Full Kp Indices for 20 APR 93 are: 3+ 6- 4o 4o 4- 3+ 3o 3-

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Date: 22 Apr 93 01:23:21 GMT  
From: news.service.uci.edu!orion.oac.uci.edu!eahu099@network.UCSD.EDU  
Subject: Doppler Source Found  
To: info-hams@ucsd.edu

I have located a source for Doppler direction finding kits. The circuit appears to be based on the project described in "TRANSMITTER HUNTING - Radio Direction Finding Simplified" by Moell and Curlee. The kit comes with 2 printed circuit boards, one for the display and one for the rest. All parts are included to build the decoder and antenna switching circuitry, but the antenna parts are not included.

I'm told that Dopplers have their place in one's T-hunting arsenal. They are useful for locating mobile foxes and medium to strong vertical signals. They are not so useful for locating weak horizontal signals, especially when hunting in areas of strong adjacent channels.

The kits are available from Marty Mitchell-N6ZAV at (714)760-6060. They cost \$99.00 plus \$3.00 for shipping.

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Byon Garrabrant KD6BCH byon@csulb.edu  
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Date: Wed, 21 Apr 1993 18:46:00 MDT  
From: sdd.hp.com!caen!destroyer!cs.ubc.ca!alberta!adec23!ve6mgs!  
usenet@network.UCSD.EDU  
Subject: Examination Opportunities Scheduled 4/21/93 to 8/30/93  
To: info-hams@ucsd.edu

Newsgroups: rec.radio.amateur.misc,rec.radio.info  
Organization: American Radio Relay League - VEC  
Distribution: 'world'  
Followup-To: rec.radio.amateur.misc  
Approved: rec-radio-info@ve6mgs.ampr.ab.ca

## AMATEUR RADIO EXAMINATION OPPORTUNITIES

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Special Note: The FCC has announced that their license processing time is at 90 days--from the date they receive the application. The FCC usually receives the application one to two weeks after the test session (once the VE Team and the coordinating VEC have completed their processing).

This can mean that a license may not arrive until more than 100 or more days from the test session has elapsed.

Note: Codeless Technician to Technician w/HF upgraders (who pass a Morse code test) will not receive a new license from the FCC. The existing Technician license plus the CSCE conveying the Morse code test credit is the only documentation issued for use of the additional HF privileges.

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The following test session information is provided by the ARRL/VEC for the upcoming six to eight week period. For further information, please contact the test session CONTACT PERSON at the telephone number provided. If necessary, you may contact the ARRL/VEC at 203-666-1541 x282 for additional information. Electronic mail may be forwarded to the ARRL/VEC via USENET at "bjahnke@arrl.org" or via MCI Mail to MCI ID: 215-5052.

Although the test session information presented here does not indicate whether walk-ins are accepted or not, most test sessions do allow walk-ins. We encourage you, however, to always contact the CONTACT PERSON at the telephone number provided so that the VE Team is aware that you be attending the test session.

## STILL NEED TO PREPARE FOR YOUR EXAM?

If you would like information on how to become licensed; or how to locate Amateur Radio clubs, instructors, licensing classes and/or Novice examiners in your area; please contact the ARRL Educational Activities Department (EAD) at 203-666-1541 x219. The EAD can also provide information on recommended study materials. Electronic mail may be forwarded to the ARRL EAD via USENET at "rwhite@arrl.org" or via MCI Mail to MCI ID: 215-5052.

## EXAM LISTINGS - DEFINITION OF FIELDS

### STATE

Test Date, VEC, City, , Contact Phone, Contact Person

The SECOND field in the following listing specifies the VEC which is coordinating this examination. This single-character designator denotes the VEC as defined below. An "A" (for example) indicates that this examination is coordinated by the ARRL/VEC.

For further information on any examinations listed, or if you do not find any examinations listed for your area, you may contact any of the coordinating VECs below.

A = ARRL/VEC, 225 Main St, Newington, CT 06111; (d) 203-666-1541  
The 1993 Test Fee is \$5.60.

X = Anchorage ARC, 2628 Turnagain Parkway, Anchorage, AK 99517;  
(d) 907-786-8121, (n) 907-243-2221 (or) 907-276-5121  
(or) 907-274-5546

C = Central Alabama VEC, 1215 Dale Dr SE, Huntsville, AL 35801;  
205-536-3904

N = Charlotte VEC, 227 Bennett Ln, Charlotte, NC 28213;  
704-596-2168

D = Great Lakes ARC VEC Inc., PO Box 273, Glenview, IL 60025;  
708-486-8019

E = Golden Empire ARS, PO Box 508, Chico, CA 95927; No phone.

G = Greater Los Angeles ARG, 9737 Noble Ave, Sepulveda, CA 91343;  
818-892-2068, 805-822-1473.

J = Jefferson ARC, PO Box 73665, Metairie, LA 70033; No phone

K = Koolau ARC, 45-529 Nakulua St, Kaneohe, HI 96744;  
808-235-4132

L = Laurel ARC Inc., PO Box 3039, Laurel, MD 20709-0039;  
(d) 301-572-5124, 301-317-7819, (n) 301-588-3924

M = The Milwaukee RAC Inc., 1737 N 116th St, Wauwatosa, WI 53226;  
414-774-6999. Test fee for 1993 is \$5.00.

H = Mountain ARC, PO Box 234, Cumberland, MD 21502; 304-289-3576

P = PHD ARA Inc., PO Box 11, Liberty, MO 64068; 816-781-7313

R = Sandarc-VEC, PO Box 2446, La Mesa, CA 92044; 619-465-3926

S = Sunnyvale VEC ARC, PO Box 60142, Sunnyvale, CA 94088-0142;  
408-255-9000

T = Triad Emergency ARC, 3504 Stonehurst Pl, High Point, NC 27260;  
919-841-7576

W = Western Carolinas ARS VEC, 5833 Clinton Hwy - Suite 203,  
Knoxville, TN 37912-2545; 615-688-7771.  
The 1993 Test Fee is \$5.60.

5 = W5YI-VEC, PO Box 565101, Dallas, TX 75356-5101; 817-461-6443  
The 1993 Test Fee is \$5.60.

#### EXAMINATION OPPORTUNITIES OUTSIDE THE UNITED STATES:

##### AMERICAN SOMOA

05/08/93,A,Mapusaga Village,,684-699-2420,Michael Homsany

##### AUSTRALIA

05/22/93,A,Australia,,089-531-305,Maury Hatfield

##### GREAT BRITAIN

05/16/93,A,Great Britain,,042-350-6988,Gerald Bliss

##### GUAM

07/04/93,A,Adelup,,627-646-7611,Harry Y Taguchi

##### NETHERLANDS ANTILLES

04/22/93,A,Netherlands Anti,,,Leston W Miller

US VIRGIN ISLANDS

05/15/93,A,ST Thomas,,809-774-6663,Kluas Willems

08/14/93,A,ST Thomas,,809-774-6663,Kluas Willems

\*EOF

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Date: Thu, 22 Apr 1993 01:44:16 GMT

From: iris.mbvlab.wpafb.af.mil!blackbird.afit.af.mil!jmilller@uunet.uu.net

Subject: Last minute Hamvention traffic and weather forecast

To: info-hams@ucsd.edu

For what it's worth...

I made the run from WPAFB area B to Hara this afternoon. Wright Brothers Parkway (Harshman Rd., Needmore Rd., Shoup Mill Rd., take your pick ;-) ) is down to only one lane in both directions between Ohio Route 4 and Ohio Route 201 (Brandt Pike), then again between Frederick and Riverside Sts (about a half mile interval, ending about a half mile east of Main St/Ohio Route 48). The construction I mentioned on I-75 doesn't appear to have started yet :-), but there's still another day to go. For those of you planning to use Ohio Route 4, it's also down to one lane between the Dayton city limits and just south of I-70.

Latest weather forecast...partly cloudy Friday, scattered showers and T-storms Saturday and Sunday. Highs mid 60's all three days...

Then again, it was snowing this morning...

73, Jeff

--

Jeff Miller, NH6ZW/N8, AFA1HE (ex WD6CQV, AFA8JM, AFA1D0)

AFIT School of Engineering, Wright-Patterson AFB, OH

"This class (Formal Methods in SW Engineering) redefines the term "auger in" -- nameless AFIT student. Help eliminate FOD in our lifetime.

-----  
Date: 21 Apr 93 14:28:15 PST

From: ucsnews!sol.ctr.columbia.edu!howland.reston.ans.net!bogus.sura.net!news-feed-1.peachnet.edu!umn.edu!csus.edu!netcom.com!netcomsv!hotcity!

nick@network.UCSD.EDU

Subject: Mods for the HTX-202

To: info-hams@ucsd.edu

Can someone send me mail (nick@hotcity.com) on any mods to the Realistic HTX-202 2m Transceiver. Thanks.

--- Via UCI v1.35 (C-Net Amiga)

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netcom.com!hotcity.com!nick

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Date: 20 Apr 93 23:26:00 GMT  
From: gumbly!destroyer!iunet!hal9k!justin.fanning@yale.arpa  
Subject: My thoughts...  
To: info-hams@ucsd.edu

From: justin@stock.apana.org.au (Justin Fanning)  
Message-ID: <Ny6a3B1w165w@stock.apana.org.au>  
Date: Tue, 20 Apr 93 14:57:34 +1000  
Organization: Buy... Sell... (Stock Data, Melbourne)

bly@btree.uucp (Roger Bly) writes:

> In article <1qh5rfINNb4f@mojo.eng.umd.edu> chuck@eng.umd.edu (Chuck Harris -  
> >In article <1993Apr13.184121.16519@btree.uucp> bly@btree.uucp (Roger Bly) wr  
> >>I think that we should reallocate a big chunk of 10m to CB. And give them  
> >>some VHF/UHF also. After all, the "waves" belong to the citizens.

More spectrum I agree with, but not the 10M band, propagation is to good.

> Well, according the "Purpose of Amateur Radio" as codified in part 97, the ha  
> bands are not "citizen's bands". The amateur allocation's scope and purpose

That is what it says on paper, but take your scanner and listen to your local 2M repeater, and you will see 2M is just like cb, but on a higher level. (very little technical conversation, mostly chit chat.)

As for packet, that is an even bigger fraud of spectrum, their is no "Experimentation" going on, just users taking advantage of the available spectrum to setup their own personal or club packet bbs systems. The computers are BOUGHT, the transmitters are BOUGHT, the antenna is BOUGHT and the software is BOUGHT (or copyed) WHERE IS THE EXPERIMENTATION!

> Citizen's bands should be large radio parklands of spectrum set aside for  
> general citizens to use without any content restrictions. This spectrum  
> should serve for personal communications, personal business, and low-level  
> broadcasting. Most importantly, this "parkland" should be available to

I'm not sure about 'Low level broadcasting', perhaps a section of your



proposed band could be set aside for that, as for personal & buisness, they would need seperate area's as well. (In Australia we have a 40 Ch. UHF CB service as well as HF 27 Mhz) and the private users are always telling the buisness users 'Where to go'. But I still agree with your initial principal.

> These proposed citizen's bands would not be anything like the 11m band we  
> have today. It can be easily argued that the problems with that band have

How can you say that? Congestion is only 1 of a number of problems 11M faces today's.

This conversation reminds me of an artical I saw a few years back, (can't remember where) stating that the spectrum costs nothing to provide, nothing to maintain (not policing, the other type), and it never wears out. So why do governments use it as such a money making tool? To buy 12.5Khz of spectrum in a built up city, can cost over A\$1M, who should I make the cheque out to "GOD" ?

Justin

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-----
- Who: Justin Fanning | Where: Victoria, AUSTRALIA -
- How: justin@stock.apana.org.au | Voice: +61 3 879-3474 -
-----
- Give your life to JESUS, or spend eternity in HELL -
-----
. R110B:Wnet HAL_9000
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| HAL 9000 BBS: QWK-to-Usenet gateway | Four 14400 v.32bis dial-ins |
| FREE Usenet mail and 200 newsgroups! | PCBoard 14.5aM * uuPCB * Kmail |
| Call +1 313 663 4173 or 663 3959 +-----+
| Member of EFF, ASP, ASAD * 1500MB disk * Serving Ann Arbor since 1988 |
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Date: 21 Apr 93 23:20:06 GMT
From: microsoft!wingnut!laurahal@uunet.uu.net
Subject: Raising our profile
To: info-hams@ucsd.edu
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Last weekend I was part of a group who provided communication support for a 10k run around Vancouver, B.C. The ham radio part of it went well, the repeater worked flawlessly, and it was generally a textbook example of ham radio serving the community.

Except that nobody knew who we were. People noticed folks around the

course with radios, but even people I work with weren't quite sure what our function was. I often find that people have no conception of what amateur radio is and what hams do. Some have even forgotten the very term 'amateur radio'. Have you seen any depiction of ham radio in the media recently? Have you read about ham radio in connection with anything other than disaster communications recently?

I don't like the situation one bit, and am wondering what we can do about it. Not only is ham radio fun, but it strikes me as a uniquely exciting way of getting people interested in electronic (and other) technology, and hopefully helping to grow the crop of engineers and other techies they keep telling us the economy needs.

Comments?

...laura, VE7LDH

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Date: 22 Apr 93 06:35:52 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: What means 55?  
To: info-hams@ucsd.edu

Central European hams (especially DLs) tend to use the short 55 (.....) in CW QSOs. Does anybody know anything about the usage of this? I know that there have been quite hard discussions about it in several CW user groups. All inputs are welcome. Send flames directly to me:

Martin Zurn IK2RMZ DL1GBZ ex F0IRY

Mail: Dr. M. Zurn, Term. Postale 680, Centro Com. di Ricerca  
21020 Ispra (Varese) Italy, Europe  
Packet from the US: IK2RMZ@W2XO.#WPA.PA.USA.NOAM  
CW from EU, NE, NA East Coast: NTS net SAN/I 1200Z 14065kHz QND  
SK7SSK  
E-mail: martin.zurn@jrc.it 73 See u on the air

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Date: Thu, 22 Apr 1993 01:37:51 GMT  
From: usc!howland.reston.ans.net!torn!csd.unb.ca!news.ucs.mun.ca!kean.ucs.mun.ca!  
jcraig@network.UCSD.EDU  
To: info-hams@ucsd.edu

References <SBROWN.93Apr21062056@charon.dseg.ti.com>,  
<1993Apr21.174136.27391@newsgate.sps.mot.com>, <1r4cqa\$h17@network.ucsd.edu>

Subject : Re: Motorola MICOR et. al.

In article <1r4cqa\$h17@network.ucsd.edu>, brian@ucsd.edu (Brian Kantor) writes:

> Be aware that MOCOM-70 radios date from the early 70's (and late 60's)  
> and are nearly impossible to get parts for. The most common failure in  
> them is the PTT/ant relay, and it's a custom jobbie. Second most  
> common in the UHF model is the tripler varactor.

>

> If you plan on using one in a serious way, buy two and use the second  
> for parts.

>

I've got a pair of these old things in my basement. I don't have the  
control head though :-(

Could anybody give me the pinouts for the ptt, mic, and speaker? I  
can figure out the power connections...

73 Joe.

> - Brian

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End of Info-Hams Digest V93 #490

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